endos

Intraoral x–ray units

VILLA

radiology ahead

the efficiency
in every day use

The intraoral X-ray units Endos have been de–signed to *enhance the operating efficiency* and allow the user to concentrate on diagnosis and treatment, rather than on the setting of the ra–diographic parameters.

The *grid tube* improves the quality of the emit–ted radiation increasing the accuracy of expo–sure parameters and reducing the so–called "soft radiation", which doesn't contribute to image production and it is harmful for the pa–tient. Thanks to a *smart software algorithm*, the system automatically compensates the mains voltage fluctuations assuring the best stability in film darkening.

simplicity...
& reliability

endos ACP

Optimized exposure parameters

Endos ACP is equipped with a digital timer, which allows to select the best exposure parameters using pre-programmed anatomic techniques. The choice of the diagnostic target is easily achieved in two quick steps: choice of the patient size among the three available options, then selection of the dentition area to be examined. In addition, the system can be switched to a specific modality to optimize the exposure times for use with any digital acquisition system.

endos AC

The essential and easy to use unit

While employing the same technology of Endos ACP, Endos AC is based on the classic manual selection of exposure times. Endos AC is addressed to customers looking for an essential and easy to use device, thus representing the ideal trade-off between performance and budget.
Also this unit is compatible with digital sensors currently on the market.

Aluminium arm

The new aluminium arm assures great stabil–ity, as well as *superior lightness* of positioning, for the best effectiveness in everyday use.

Easy and fast cleaning

All the materials have been studied to be easily and quickly cleaned *to protect the hygiene* of the working environment.

Flexibility

In order to adapt to every installation condition, Endos AC and ACP can be configured with a *remote X–ray pushbutton* that allows to start the exposure outside the examination room. Specifically, the mobile version assures the maximum positioning freedom.
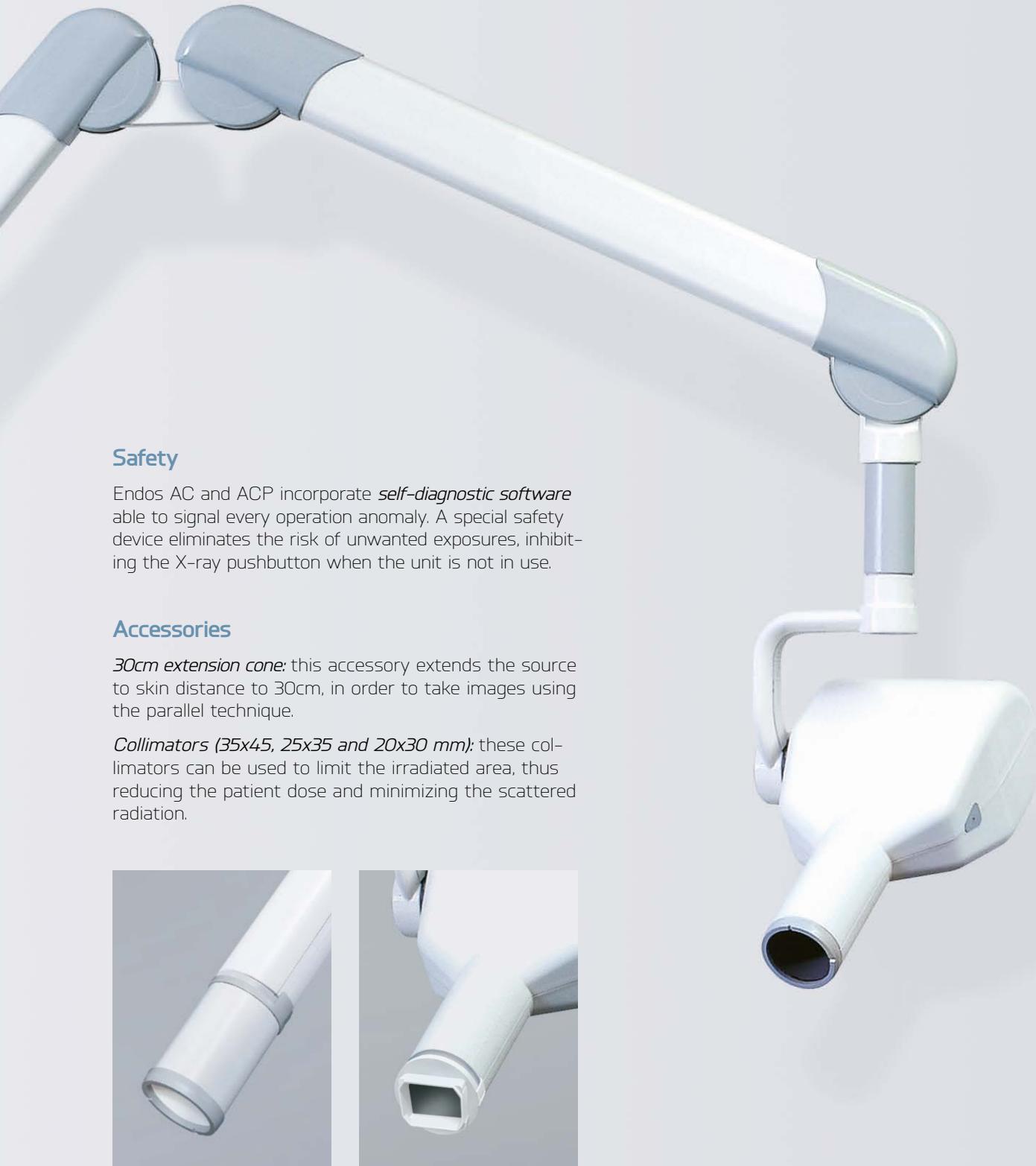
Safety

Endos AC and ACP incorporate *self-diagnostic software* able to signal every operation anomaly. A special safety device eliminates the risk of unwanted exposures, inhibiting the X-ray pushbutton when the unit is not in use.

Accessories

30cm extension cone: this accessory extends the source to skin distance to 30cm, in order to take images using the parallel technique.

Collimators (35x45, 25x35 and 20x30 mm): these collimators can be used to limit the irradiated area, thus reducing the patient dose and minimizing the scattered radiation.

practicality & safety

Technical data

Power supply	230V ±10% 50Hz – 120V ±10% 60Hz
X–ray tubehead	70kV, 8mA
Focal spot	0.8 (IEC 336)
Focus to skin distance	20cm (7–7/8") standard / 30cm (11–13/16") with optional collimator cone extension
X–ray field (at collimator tip)	Diameter 60mm (2–3/8") / 35x45mm (1–3/8"x1–3/4") with optional diaphragm
Duty cycle	1:32
Exposure times	0.02 to 3.2s in 33 steps
Anatomic programs	(ACP only) 30 pre–set times
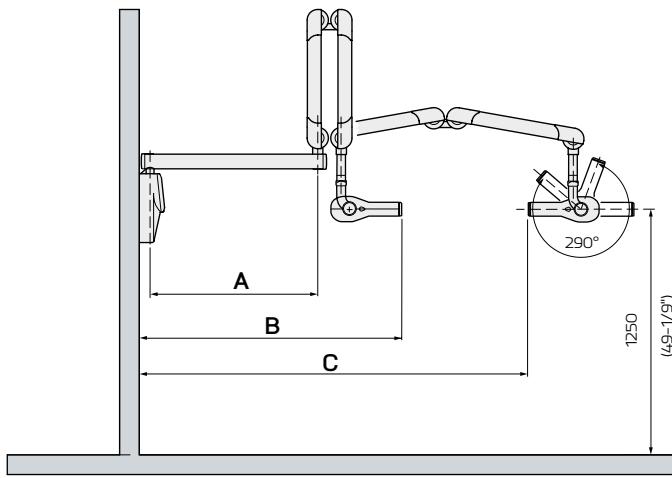
Dimensional data

Total reach (B)

Extension arm A = 30cm (11–13/16")	785mm (30–7/8")
Extension arm A = 60cm (23–5/8")	1085mm (42–3/4")
Extension arm A = 80cm (31–1/2")	1285mm (50–5/8")

Total inside reach (C)

Extension arm A = 30cm (11–13/16")	1430mm (56–5/16")
Extension arm A = 60cm (23–5/8")	1730mm (68–1/8")
Extension arm A = 80cm (31–1/2")	1930mm (76")
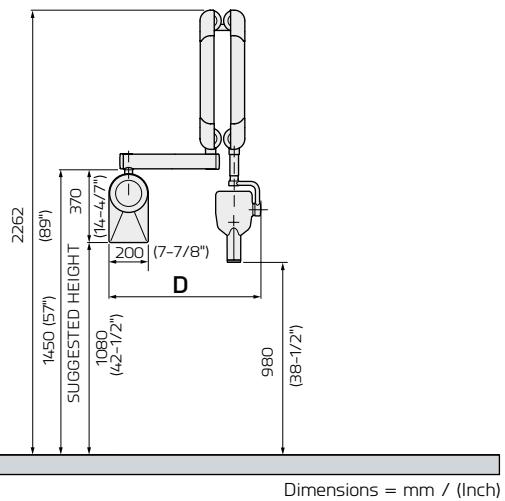
Dimensions = mm / (Inch)

ISO 9001:2008   ISO 13485:2003

CE 0051